Abstract

The present invention discloses a carbon fiber strand obtained by impregnating a carbon fiber with a sizing agent composition containing a sizing agent comprising at least two kinds of epoxy resins, wherein the sizing agent composition is such that, when it is mixed with a given curing agent at proportions of 100 parts by mass (the sizing agent composition) and 30 parts by mass (the curing agent) to make a composition for estimation, the composition for estimation is heat-treated at 130°C for 2 hours, and the resulting cured material for estimation is measured for dynamic viscoelasticity to obtain its tan δ of α relaxation peak and its tan δ of β relaxation peak, their product $\alpha_{\tan\delta}$ $\beta_{\tan\delta}$ is 0.07 to 0.2. The amount of the sizing agent composition used in impregnation is preferably 0.3 to 5.0% by mass.